



**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT
FOR FLOOD CONTROL WORKS (NON-FEDERAL)**
Honolulu Engineer District
CEPOH-EC-T

WaiakeaUka04rpt-fcw.doc

1. Project Name: **Waiākea Uka Stream FCP**

2. Date of Inspection: May 11, 2004

3. Inspection Personnel:

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a. Dan Meyers	COE	438-8875
b. Robert Aguiar	DPW	961-8636
South Hilo Road District		

4. CEI Rating:

Ratings for FY04

Project Rating: "S, **Satisfactory**"

Project Condition Code: "A, **Acceptable**"

Project Status: "**Active**"

5. Discussion:

Inspection was conducted on the Non-Federal Waiākea Uka Stream Flood Control Project. This FCP is 3,461 linear feet trapezoidal channel, alternating channel material of natural rock with concrete-lined invert and natural soil with shotcrete-lined side slopes. Two fully lined reaches are approximately 125 and 270 linear feet. The average channel depth is 10 feet. The project was designed for less than a 100-year flood capacity, with discharge of 4,460 cfs, allowing 1.0 foot freeboard. The project begins up stream At Approximate Sta. 24+00 and ends at Sta 58+60, just up-stream of the Komohana Street Bridge. The Puainako Road Extension Project by the County of Hawai'i is near completion.

A large storm event occurred on November 2, 2000, with damages occurring through out the project. Severe scouring and undermining occurred along unlined portions of the channel. Several other storm events have occurred since, causing further erosion of the channel. Project repairs, under PL 84-99, were completes in 2004.



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- a. Sta. 24+00, RB, Cut vegetation on the maintenance access road and clean weep holes on the sideslope.

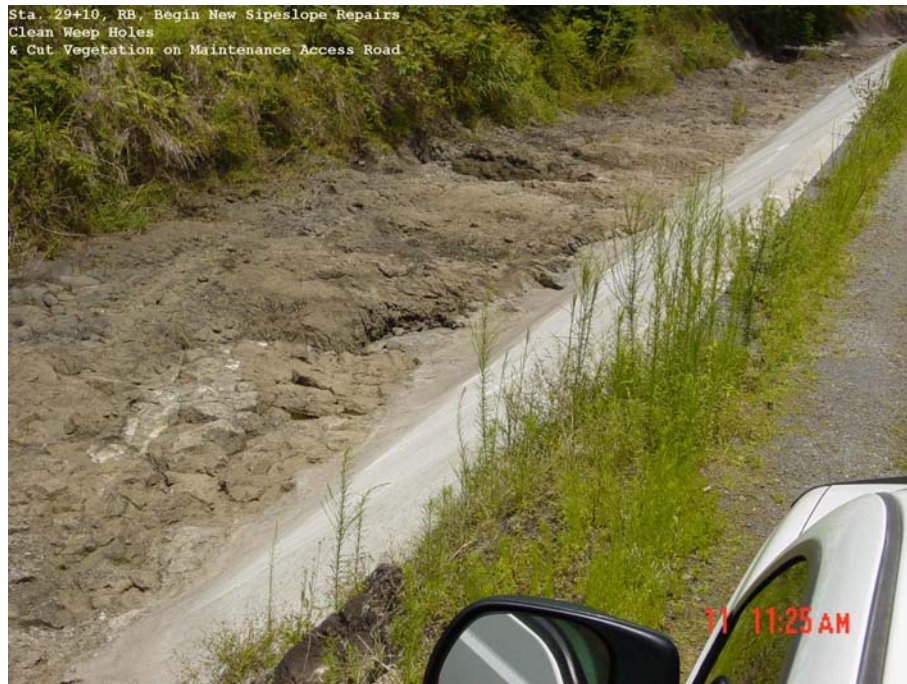


- b. Sta. 27+00, RB, Cut vegetation on the maintenance access road and clean weep holes on the sideslope.



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c. Sta. 29+10, RB, Cut vegetation on the maintenance access road and clean weep holes on the sideslope.



d. Sta. 33+10, RB, Cut back trees overhanging maintenance access road.



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e. Sta. 37+00, Invert repairs below Shiroma's bridge.



f. Sta. 41+30, Invert repairs at downstream end of concrete lining.



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6. Notes and Recommendations:

The overall project is functioning as designed. In accordance with EP 500-1-1, (dated 30 September 2001), and based on this CEI, the Project Rating is "S, SATISFACTORY" and the Project Condition Code is "A, ACCEPTABLE" and the project is considered "ACTIVE" in the Rehabilitation and Inspection Program.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., CH, CEPOH-EC-T

Enclosure

1. Site Plan